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LU 6151 (US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:)	
Shahram Mihan et al.)	
Serial No.: 10/583,575) Examiner:	Unknown
Filed: June 19, 2006) Art Unit:	Unknown
For: MONOCYCLOPENTADIENYL)	
COMPLEXES)	
Mail Stop Amendment		October <u>0</u> , 2006
Commissioner for Patents		- •
P.O. Box 1450		
Alexandria, VA 22313-1450		

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed before the first Office action on the merits.

It is requested that the enclosed documents listed on the attached Information

Disclosure Citation form PTO-1449 be considered by the Patent Examiner in connection with the above-identified application and be made of record therein. A copy of the International Search Report for this application is enclosed.

Independent consideration and acknowledgement of the enclosed documents are respectfully requested.

No payment is believed to be due; however, the Commissioner is hereby authorized to charge USPTO deposit account 08-2336 any payment due and to credit any overpayment thereto.

Translations of foreign documents are available upon request.

Respectfully submitted,

Shahram Mihan et al.

 $\mathbf{B}\mathbf{v}$

Jarrod N. Raphael Registration No. 55,566

Agent for Applicants

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I hereby certify that this correspondence is being deposited with sufficient postage thereon with the United States Postal Service as first class mail on October 10^{-1} , 2006, in an envelope addressed to:

Mail Stop Amendment
Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date of Signature

October |

2006

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		u.s. paten	r doci	JMIEI	YTS					
Examiner Initial		Document Number	Issue Da		Name	Class	Sub- Class	Filing Date		
	AA	3,242,150	03/22	/66	Scoggin					
	AB	3,248,179	04/26	/66	Norwood					
	AC	3,709,853	01/09	/73	Karapinka					
	AD	4,015,059	03/29	/77	Karol					
	AE	5,532,396 (Counterpart to EP 659,757)	07/02	/96	Winter et al.					
	AF	5,576,260 (Counterpart to EP 659,757)	11/19/96		Winter et al.					
	AG	5,612,428 (Counterpart to EP 659,757)	03/18/97		Winter et al.					
	AH	5,808,122 (Counterpart to EP 742,046)	09/15/98		Herrmann et al.					
	AI	6,255,418 (Counterpart to DE 19710615)	07/03/0		Jolly et al.					
		FOREIGN PAT	ENT DO	CUR	MENTS					
		Document Number	Dat	*	Country	Class	Sub- Class	Trans- lation		
	AJ	19630580	02/05	/98	DE					
	AK	19716015	10/29	/98	DE					
	AL	659,757	06/28	/95	EP					
	AM	742,046	11/13	/96	EP					
	AN	1,212,333	06/12	/02	EP			_		
		OTHER (Including Author,	Title, Da	te, Pe	ertinent Pages, etc.	.)				
	AO	Kirk-Othmer, "Olefin Polymers (Density) Polyethylene," Encyclop								
	M. Enders et al., "8-Quinolylcyclopentadienyl, a Ligand with a Tailored Fit for Chelate Complexes," Chem. Ber., Vol. 129, p. 459-463 (1996)									
****	AQ	R. Halterman, "Synthesis and Chem. Rev., Vol. 92(5), p. 9	d Applic	ations	of Chiral Cyclope	ntadien	ylmetal C	omplexes,		
Examiner	<u></u>	, , , p			Considered			-10190 "19 ***		
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INFORI	INFORMATION DISCLOSURE CITATION				Shahram Filing Date June 19, 2006			Milham et al. Group Art Unit Not Yet Assigned		
		u.s. patent	ר ומסכו	IMIE	RTS					
Examiner Initial		Document Number	Issue 1		Name	Class		Sub- Class	Filing Date	
	AR	6,417,302 (Counterpart to WO 99/06414)	07/09/02		Bohnen					
	AS	6,437,161 (Counterpart to EP 1,212,333 & WO 01/12641)	08/20/02		Mihan et al.					
	ΑТ	6,589,905 (Counterpart to WO 00/05277)	07/08/03		Fischer et al.				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	AU	6,699,948 (Counterpart to EP 1,212,333 & WO 01/12641)	03/02/04		Mihan et al.					
	AV	6,756,505 (Counterpart to WO 00/35928)	06/29/04		Kristen et al.					
	AW	6,784,261 (Counterpart to WO 01/09148)	08/31/		Schopf et al.					
		FOREIGN PATI	ENT DO	DCU	MIENTS					
		Document Number	Dat	e	Country	Cl	ass	Sub- Class	Trans- lation	
	AX	11 199621 (Abstract)	07/27	/99	JP					
	AY	91/09882	07/11	/91	WO					
	AZ	96/00243	01/04	/96	WO					
	BA	96/13529	05/09	/96	WO					
	BB	97/04015	02/06	/97	WO					
		OTHER (Including Author.	Title. D	ate. P	Pertinent Pages.	etc.)				
,	BC S. Strauss, "The Search for Larger and More Weakly Coordinating Anions," Chem. Rev., Vol. 93(3), p. 927-942 (1993)									
	BD	V. Gibson et al., "Novel olefin polymerization catalysts based on iron and cobalt," Chem. Commun., p. 849-850 (1998)								
	BE	M. Brookhart et al. "Highly Active Iron and Cobalt Catalysts for the Polymerization of						nerization of		
Examiner	·			T	e Considered		- ·			
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FORM PTO-1449 INFORMATION DISCLOSURE CITATION				Atty Docket LU 6151 (US)			Serial No. 10/583,575			
				Applicant Shahram Mihan et al.						
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		U.S. PATEN	T DOC	JME	NTS					
Examiner Initial		Document Number	Issue Date		Name	Cla	ıss	Sub- Class	Filing Date	
	BF	6,787,498 (Counterpart to EP 1,212,333 & WO 01/12641)	09/07/04 11/02/04 01/04/05 07/19/05 12/25/03 02/20/03		Mihan et al.					
	BG	6,812,185 (Counterpart to WO 00/05277)			Fischer et al.					
	вн	6,838,563 (Counterpart to EP 1,212,333 & WO 01/12641)			Fischer et al.					
	BI	6,919,412 (Counterpart to EP 1,212,333 & WO 01/12641)			Mihan et al.					
	BJ	2003/0236164 (Counterpart to WO 00/05277)			Fischer et al.					
	BK	2003/0036658 (Counterpart to EP 1,212,333 & WO 01/12641)			Mihan et al.					
		FOREIGN PAT	ENT DO)C U	MENTS					
		Document Number	Dat	е	Country	Cla	ıss	Sub- Class	Trans- lation	
,	BL	97/36937	10/09	/97	wo					
	BM	98/22486	05/28	/98	wo					
	BN	98/27124	06/25	/98	wo					
	ВО	98/40419	09/17	/98 \	wo					
	BP	99/06414	02/11	/99	wo					
		OTHER (Including Author,	Title, Da	ate, P	Pertinent Pages, e	tc.)				
		H. Brinzinger et al., "ansa-N	/letalloce	ene d	erivatives - XVII	. Rac	em	ic and me	eso	
	BQ diastereomers of group IV metalloo			ne derivatives with syr				•	•	
	dimethylsilanediyl-bridged ligand frameworks. Crystal structure of R,S-Me ₂ S MeC ₅ H ₂) ₂ ZrCl ₂ ;" <u>Journal of Organometallic Chemistry</u> , Vol. 369, p. 359-370									
	BR	P. Jutzi et al., "Cyclopentadienyl compounds with nitrogen donors in the side-chain," Journal of Organometallic Chemistry 500, p. 175-185 (1995)								
•		Journal of Organomiciality C	neman)	T		<i>'</i>			The state of the s	
Examiner EXAMINER	Draw	l if reference considered, whether or not citat line through citation if not in conformance as le copy of this form with next communication	nd not con	onform sidere		509.			· · · · · · · · · · · · · · · · · · ·	

Serial No. Atty Docket LU 6151 (US) 10/583,575 **FORM PTO-1449 Applicant** Shahram Mihan et al. INFORMATION DISCLOSURE CITATION Group Art Unit Filing Date Not Yet Assigned June 19, 2006 **U.S. PATENT DOCUMENTS** Sub-**Filing** Document Examiner **Issue Date** Name Class Date Class Number Initial 2003/0036662 02/20/03 Mihan et al. BS (Counterpart to EP 1,212,333 & WO 01/12641) 2003/0055267 (Counterpart to EP 1,212,333 & 03/20/03 Mihan et al. BT WO 01/12641) 2004/0214970 10/28/04 Schopf et al. BU(Counterpart to WO 01/09148) FOREIGN PATENT DOCUMENTS Sub-Trans-Document Class Country Date lation Number Class WO 00/05277 02/03/00 BV 05/04/00 WO 00/24787 **BW** 06/02/00 WO 00/31090 BX WO BY 00/35928 06/22/00 02/08/01 WO BZ 01/09148 OTHER (Including Author, Title, Date, Pertinent Pages, etc.) L. Fieser & M. Fieser, Chapter 33, "Heterocyclen," Lehrbuch der Organischen Chemie, CA 3rd revised edition, Verlag Chemie, Weinheim (1957) J. Ewen et al., "Expanding the Scope of Metallocene Catalysis: Beyond Indenyl and CB Fluorenyl Derivatives," Springer Verlag, p. 150-169 (1999) CC <u>Chemical Reviews</u>, Volume 100(4), p. 1167-1681 (2000) Date Considered Examiner EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE CITATION			Atty Docket LU 6151 (US)		Serial No. 10/583,575				
			Applicant Shahram Mihan et al.						
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		Document Number	Date	Country Class Sub- Class				Trans- lation	
	CD	01/12641	02/22/01	wo					
	CE	01/41920	06/14/01	wo					
	CF	01/92346	12/06/01	wo					
				4					
	<u> </u>	OTHER (Including	Anaban Tida D	ate, Pertinent Pages,	\		 		
						vlch	omium(I)	D	
	CG		A. Döhring et al., "Donor-Ligand-Substituted Cyclopentadienylchromium(III) Complexes: A New Class of Alkene Polymerization Catalyst. 1. Amino-Substituted						
		Systems," Organon	netallics, Vol. 190	(4), p. 388-402 (2000)				
				-Amido Ligands with					
	CH			Molecular Structure					
		N(CH ₂) ₂ -η-NHCH	Me ₂ }Cl ₂]," Organ	nometallics, Vol. 21(1	1), ţ). 21	89-2195 ((2002)	
Examiner				Date Considered					
EXAMINER	Draw 1	if reference considered, whether line through citation if not in conf e copy of this form with next com	formance and not con	sidered.	609.				